



















16-Bit Memory Interfacing

The memory locations 00000-FFFFF are designed as odd and even bytes. To distinguish between odd and even bytes, the CPU provides a signal called \overrightarrow{BHE} (bus high enable). \overrightarrow{BHE} and A_0 are used to select the odd and even byte, as shown in the table below.

| BHE | A ₀ | | |
|-----|----------------|-----------|---------------------------------|
| 0 | 0 | Even word | D ₀ -D ₁₅ |
| 0 | 1 | Odd byte | D ₈ -D ₁₅ |
| 1 | 0 | Even byte | D ₀ -D ₇ |
| 1 | 1 | None | |
| | | | |

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